

項目	単位	数	備考
1. 総計	人	100	
2. 男性	人	50	
3. 女性	人	50	
4. 年齢別	人		
5. 学歴別	人		
6. 職業別	人		
7. 収入別	人		
8. 支出別	人		
9. 消費別	人		
10. 貯蓄別	人		
11. 投資別	人		
12. 負債別	人		
13. 資産別	人		
14. 所得別	人		
15. 消費別	人		
16. 貯蓄別	人		
17. 投資別	人		
18. 負債別	人		
19. 資産別	人		
20. 所得別	人		

1. A continuous on-line carbon analyzer for water applications, the analyzer comprising:
- a sample inlet to receive a continuous stream of sample specimen;
 - a gas inlet to receive a continuous stream of gas that is substantially free of carbon dioxide;
 - a sample stream flow controller coupled to the sample stream and adapted to control sample flow therethrough;
 - a gas flow controller coupled to the gas stream and adapted to control gas flow therethrough;
 - a combustion furnace coupled to the sample stream flow controller and the gas flow controller to receive continuous flow of sample stream and gas, the combustion furnace being maintained at a temperature in excess of approximately 680°C;
 - a chiller coupled to the combustion furnace to receive the oxidized material and condense water and particulate matter from the heated materials; and
 - a detector coupled to the chiller to receive a continuous flow of carbon dioxide and provide an output

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4. The analyzer of claim 1 wherein the sample flow controller is a metering pump.

6. The analyzer of claim 5 wherein the sample flow is approximately 0.5 cc per minute.

8. The analyzer of claim 1 wherein the detector is a non-dispersive infrared detector.

9. The analyzer of claim 8 wherein the non-dispersive infrared detector provides an output

corresponding to carbon dioxide quantity in the zero to 100 parts per million range.

10. The analyzer of claim 1 wherein the output is indicative of total carbon in the sample stream.

11. The analyzer of claim 1 wherein the output is indicative of the total organic carbon in the sample stream.

12. A method of continuously analyzing carbon content in water, the method comprising:

continuously receiving a sample specimen and providing the sample specimen at a pre-selected flow rate;

receiving carbon dioxide-free gas at a pre-selected flow rate;

conveying the sample stream and gas through a combustion furnace to oxidize the sample stream; and

measuring a quantity of carbon dioxide generated by the combustion furnace.

13. The method of claim 12 and further comprising cooling the oxidized sample stream prior to the step of measuring carbon dioxide quantity.

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14. The method of claim 13 wherein the carbon dioxide output is indicative of total carbon in the sample stream.
15. The method of claim 12 wherein the output is indicative of total organic carbon in each sample stream.

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